

## 1U Rack Mount 40/48CH AWG

The 1U rack mount 40 or 48 athermal AWG product from Sintai can be installed in a standard 19-inch cabinet. It can support up to 1\*48 channel athermal AWG module or 1\*40 channel athermal AWG modules. Two devices can realize dual-fiber transmission of 40 or 48 independent channels' service. When configuring with our OTU/OLP/EDFA/DCF equipment, it can greatly extend transmission distance and increase carrying capacity, and the equipment also provides Monitor optical monitoring port for real-time channel quality monitoring

### Product Feature

Low insertion loss

High channel isolation

High stability and reliability

Low polarization dependent loss

Multi-channel number

### Product Specification

Item	Unit	Parameter	
		Gauss	Flat top
ITU	GHz	±12.5	
Channel Spacing	nm	0.8nm(100GHz)	
Channel Number		40 or 48	
Wavelength accuracy	nm	≤0.05	
Channel Insertion Loss	dB	≤5.0	≤5.5
-1dB Bandwidth	nm	≤0.2	≤0.34
-3dB Bandwidth	nm	≤0.4	≤0.51
Adjacent Channel Isolation	dB	≥25	
Non-Adjacent Channel Isolation	dB	≥30	
Total isolation	dB	≥22	≥23
Channel Ripple	dB	≤1.5	
Return Loss	dB	≥45	
Directivity	dB	≥50	
PDL	dB	≤0.5	
PMD	ps	≤0.5	
Power Handling	mW	≤300	
Operating Temperature	°C	-10~+70	
Storage Temperature	°C	-40 ~+85	
Fiber Type	-	Corning SMF-28e Ultra	
Package Size	mm	Standard 1U 19", 44(H)x442(W)x220(D)	